



CAPITAL IMPROVEMENTS PROGRAM BUDGET WORKSHEET
2015 / 2016
Project Information Sheet

This form MUST be completed for each project requested for funding in the 2015-2016 Capital Budget. Use a separate form for each project, and please prioritize each project 1 through X, with 1 representing your highest priority and X the lowest.

Department Name:	Water Department Filtration Division
Priority Ranking:	3
Project Title:	Stand-By Power Generator Rehabilitation/Replacement
Quantity (if applicable):	2
Project Useful Life:	30 Years
Cost Estimates:	Current FY Project Request: \$75,000 Prior Funding: \$0 Total Project Cost: \$150,000
Projected Schedule of Purchase:	Completed by June 30, 2017
Source of Funding:	Water Fund Reserves
Purpose of Expenditure:	The rehabilitation / replacement of two stand-by power diesel generators at the Water Treatment Plant (WTP).
Project Justification:	<p>The existing diesel generators were installed in 1979 and they are in need of rehabilitation / replacement. Spare parts are no longer available from the manufacturer. The diesel generators are vital in maintaining power at the WTP, the ability to treat raw water and to pump treated water to the distribution system during any power failure.</p> <p>Rule 325.11206 of Public Act 399, The Safe Drinking Water Act, requires a public water supply to provide a means to continuously supply finished water to the entire distribution system during periods when normal power service is interrupted.</p>
Projected Budget Impact:	This project will be funded from Water Fund Reserves. The project makes up 30% of the Water Department – Filtration Division CIP budget.

Check those items that apply:

Type of Project:	<input checked="" type="checkbox"/> Equipment	<input type="checkbox"/> Vehicle	<input type="checkbox"/> Project
Status of Request:	<input type="checkbox"/> New Request <input checked="" type="checkbox"/> Funding Requested in Prior Year		
Status of Item or Project:	<input checked="" type="checkbox"/> Replacing Existing Equipment, Vehicle, Etc. <input type="checkbox"/> Equipment, Vehicle, Etc. that is New to the City		

Please answer the following questions related this request.

1. Has this project been requested previously? If so, when? Was funding awarded? If yes, how much?
<p>This project was listed in a previous 6 year CIP; however no previous funding has been allocated.</p>

2. Description and function of new capital item:
<p>The project includes rehabilitation / replacement of the two stand-by power diesel generators at the WTP that automatically start when primary power is interrupted. The generators currently can supply adequate power to the WTP. The generators capacity will be evaluated to verify they are sized correctly to supply the WTP current & future power needs during inclement weather and during times that our primary electric supplier is experiencing power failures.</p>

3. Why is this item needed? Why does the City need to provide this service?
<p>The project is needed due to the age of the existing diesel generators and lack of replacement parts available. The generators were installed in 1979 and need rehabilitated /replaced so as to maintain the ability to treat and pump water during inclement weather and power outages while staying in compliance with the MDEQ Safe Drinking Water Act.</p>

4. Explain new or improved service that will result from new item and impact on your department's performance or services provided:

The new generators will ensure a backup means to provide power during power outages and the continued ability to treat and pump water to the distribution system. The rehabilitated / new generators will be more reliable than the existing generators such that repair parts will be available.

5. What will be the operating budget cost or savings? (List costs/savings for personnel, supplies, and other charges separately).

The operational costs for this project should show a savings in diesel fuel usage due to more efficient generator equipment. The rehabilitated / new generators will be more reliable such that less staff time will be allocated to maintain the generators. Expected savings per year is approximately \$2,000 per year.

6. Does the proposed project comply with the City's Comprehensive Plan?

Yes. Page 49, Chapter 8

Goal #1: Continue to offer the highest quality, most efficient services and facilities for residents.

h. Update infrastructure to accommodate improvements and changes in technology while ensuring the health and safety of the public.

7. Are there other alternatives to the proposed item or request? (E.g., lease vs. buy, repair rather than replace, share with other governmental jurisdictions, etc.)

No.

8. How is the cost proposed to be funded? Are there alternative sources of funding? (E.g., donations, millages, special assessments, grants, etc.)

Water Fund Reserves. No grants or funding assistance is available to make this necessary improvement.

9. Are there opportunities to share costs and services with other governmental units within the region?

The project cost will be shared by the rate payers within the communities serviced by the water system in accordance with the water rate structure.

10. Insert a photo/drawing, or cut-sheet of the site or equipment if available.



Front Street (Blue) Generator



Custer (Yellow) Generator

11. For fixed projects, Include a map of the project location if applicable and/or appropriate.



Generator Building



City of Monroe Water Filtration Plant